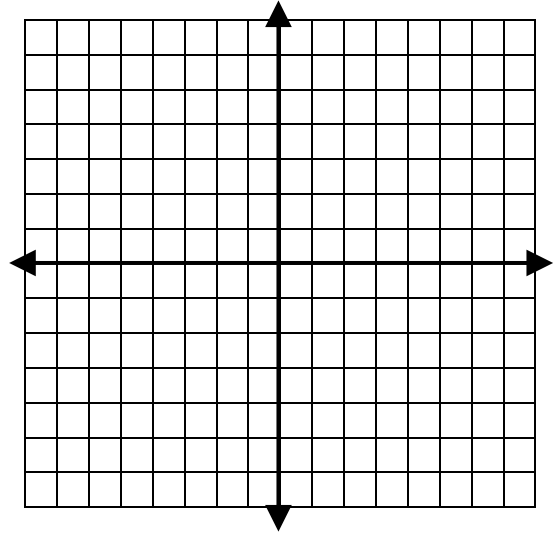## Graphing Linear Relationships

1) Graph each linear function using the method indicated.

a. Table of Values

$3x + 2y = 2$

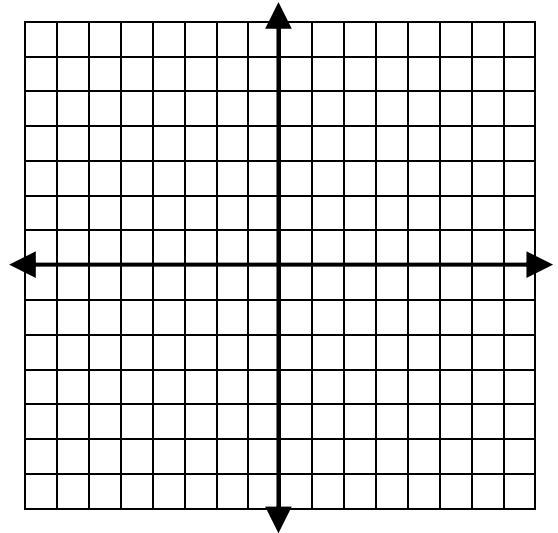| x	y

b. Intercepts

$10y - 5x = 30$

x – intercept (x , 0)   **y – intercept (0, y)**

c. Slope-Intercept

$-2x - y = 4$ **y = mx + b**

Slope (m) = _____   or _____

Y-intercept (b) =
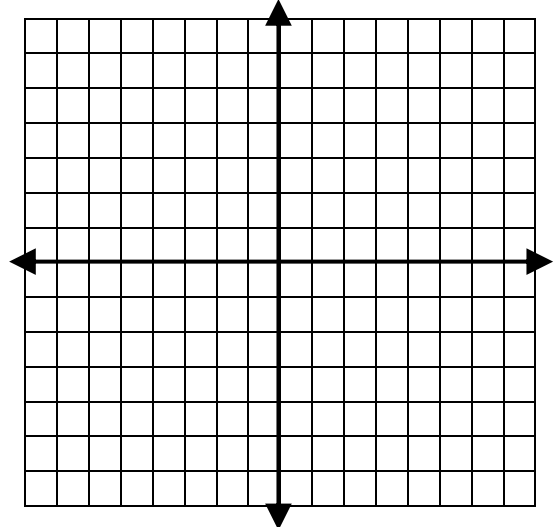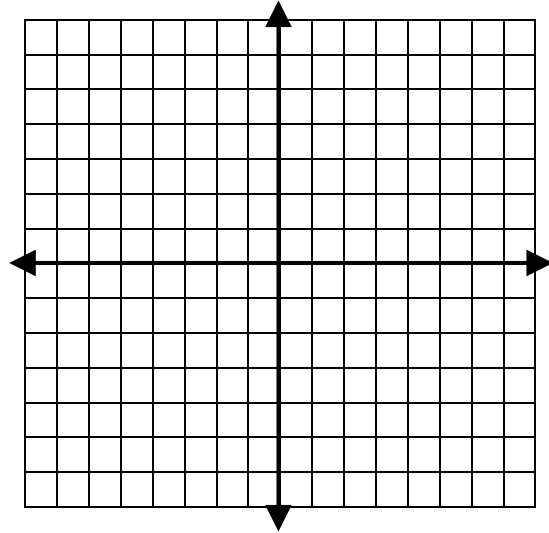
Domain:_____

Range: _____

2) Graph the linear function below defined by the __domain__ -1 ≤ x ≤ 3.

y = 3x – 4

x	y

State the __range__ of the function._____

3) Graph the lines **x = -4** and **y = 3** on the same set of axes.

x = -4

x	y

y = 3

x	y

Domain:_____

Range: _____